



RACHED CHAKCHOUK

Full Stack Java / Angular Engineer

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Summary

Full Stack Developer with over 2 years of experience in designing ERP systems using Spring Boot and Angular, complemented by strong expertise in technical project management. Detail-oriented and versatile, I combine strategic vision with hands-on execution to deliver high-performance software solutions tailored to business needs.

Professional Experience

C&A TRADE DIGITAL SERVICES Tunisia

August 2023 – Present

Full Stack Java / Angular Engineer

Full-time – On-site

ERP Project – Design and Development of HR and Payroll Module

Project Objective:

Design and develop the Human Resources (HR) and Payroll module of a comprehensive ERP system, aimed at automating employee management and optimizing the company's HR processes.

Responsibilities and Achievements:

- **Module Design and Development:** Implemented dynamic employee management, including contracts, leave, attendance, performance evaluation, and automatic payroll calculation.
- **External Data Integration:** Connected to external data sources (API, CSV, Excel) and implemented multilingual functionalities.
- **Reporting and Dashboards:** Created reports and dashboards for tracking contracts, HR metrics, and payroll, including PDF generation using Jasper Reports.
- **UI/UX Optimization:** Enhanced user interface and user experience for smooth and intuitive navigation.
- **Collaboration and Quality Assurance:** Worked closely with the development team to ensure system scalability, security, and maintainability.

Technologies Used: IntelliJ IDEA 2023, Spring Boot 3, Java 17, Angular 16, PostgreSQL, Spring Data, Spring Security, Swagger 2, GitLab, RESTful Web Services, Docker, Multitenancy.

SHILDOM Tunisia

September 2013 – June 2018

Full-time – On-site

Senior Technician / Technical Team Leader / Project Manager and Site Supervisor

Senior Technician in Electronic Security and IT Networks (September 2013 – August 2014)

- Installed and configured electronic security systems (CCTV, alarms, access control) for various clients.
- Maintained and troubleshooted internal IT networks, ensuring uninterrupted services.
- Conducted security tests and audits to identify vulnerabilities.

Technical Team Leader (September 2014 – August 2015)

- Supervised a technical team of 5–10 members for electronic security and network projects.
- Coordinated installations and maintenance activities, ensuring on-time delivery and quality standards.
- Trained new team members on procedures and best practices.

Project Manager and Site Supervisor (September 2015 – June 2018)

- Planned, managed, and executed complex security and IT infrastructure projects for private and public clients.
- Acted as the liaison between clients, technical teams, and management to meet objectives and budgets.
- Implemented project tracking reports and KPIs to optimize productivity.
- Oversaw technical documentation and post-project maintenance protocols.

Technologies Used: CCTV systems, alarm systems, access control, TCP/IP, LAN/WAN, project management tools (MS Project, Gantt charts), network troubleshooting, electronic security maintenance.

Internships

DITRIOT CONSULTING Tunisia

February 2022 – August 2022

Full Stack Engineering Intern

Final Year Project – Internal Social Network Platform for HR Management

Project Objective:

Designed and developed an internal collaborative platform to improve communication, personnel management, and HR processes, based on a modern and scalable microservices architecture.

Tasks Performed:

- Conducted requirements analysis, drafted functional specifications, and identified key system actors.
- Designed UML diagrams and defined the microservices architecture.
- Developed microservices for authentication, company, and employee management.
- Built a responsive front-end using Angular for an intuitive user experience.
- Integrated Spring Security for authentication and user role management.
- Developed the back-end using Spring Boot and Spring Data JPA, with persistence managed in MySQL.
- Implemented RESTful services for inter-service communication.
- Managed source code via Git and set up continuous integration with Jenkins.
- Monitored code quality using SonarQube to ensure maintainability and performance.

Technologies Used: Angular, Spring Boot, Spring Data, Spring Security, JPA, MySQL, Git, Jenkins, SonarQube, RESTful Web Services, Microservices.

DSI-ESPRIT TUNISIA

July 2021 – September 2021

Full Stack Engineering Intern

Internship Project – Stock Management Application Project for UTSS

Project Objective:

Developed a stock movement management application to accurately track stock entries, exits, and levels within the company, ensuring security and traceability of operations.

Tasks Performed:

- Gathered, specified, and analyzed requirements to define the application's key functionalities.
- Identified users and roles within the system to ensure security and controlled access.
- Designed and implemented the database structure for efficient stock data management.
- Developed the overall application architecture to ensure a solid and scalable structure.
- Built the back-end using Spring Boot, managed persistence with JPA, and used MongoDB for data handling.
- Conducted and implemented testing strategies to ensure code quality and reliability.

Technologies Used: STS 2021, ReactJS, Spring Boot, Spring Data, Java 11, JPA, MongoDB, SonarQube, RESTful Web Services.

Academic Background

Higher Private School of Engineering and Technology - (ESPRIT) Tunisia

2019-2022

Bachelor's in Computer Engineering – Software Engineering

Faculty of Sciences of Sfax - (FSS) Tunisia

2018-2020

Master's in Metrology and Instrumentation

Faculty of Sciences of Sfax - (FSS) Tunisia

2010-2013

Applied Bachelor's in Electronics, Electrotechnics, and Automation – Industrial Computer Science

Technical Skills

- **Programming Languages:** Java 8 / 17, TypeScript, SQL, HTML, XML
- **Frameworks and Technologies:** Angular 16, Spring MVC/Core/Security/Data/Boot/Hibernate, Bootstrap, Log4j, Maven
- **Development Tools:** IntelliJ IDEA, Eclipse, Spring Tool Suite, Visual Studio, Git, Jenkins, Docker
- **Databases:** MySQL, SQL Server, PostgreSQL
- **Methodologies:** Agile, Scrum
- **Testing Tools:** JUnit

Languages

- **English:** Fluent
- **French:** Fluent
- **Arabic:** Native